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# Term Project

## General Rules for the Project

### A) Teams:

You are to work in teams of two students. Both members of the team are expected to participate equally in the project and will receive the same grade on the project.

### B) Project Requirements:

Each group is required to choose a chapter from the textbook [ZB08] from Chapters 6 to 17, read the chapter (or most of it), and:

- a) Perform some of the bioinformatics analyses described in the chapter you choose.
- b) Prepare a hands-on exercise on the material you covered in part a).
- c) Prepare a PowerPoint presentation (of at least 20 slides) on part a).

[ZB08] "Understanding Bioinformatics", by Marketa Zvelebil and Jeremy Baum, Garland Science, 2008.

Your final project grade will be computed in the following way:

- |                            |                         |
|----------------------------|-------------------------|
| a) Team Formation: 10%     | b) Progress Report: 20% |
| c) Class Presentation: 20% | d) Project Report: 50%  |

### C) Important Dates:

#### a) Team Formation

Monday, September 18:

Each team submits a paper containing the names of the team members and the chosen topic.

#### b) Progress Report

Monday, November 6:

A progress report by each team is due at the beginning of the lecture. Include the title of the project and all the work you have done so far.

#### c) Project Report

Monday, December 4:

Printed copies of the final project are due at the beginning of the lecture. Do not forget to include all pertinent documents. Also, submit a USB flash drive) containing all the files described in "Submission Requirements" below.

**d) In-Class Presentation**

Monday, December 4: Every team has 10 minutes (5 per student) to present the slides they prepared for the term project.

**D) Submission Requirements:**

Please include references for any material you have used in the term project, in the presentation and in the hands-on exercise.

A) Submit **hard copies** of:

- 1) The term project consisting of:
  - i) The cover page with the appropriate fields filled in by you.
  - ii) Table of contents (with page numbers).
  - iii) A 10-page report on your work, including the results of the bioinformatics analyses. Use single space and 12pt font. Please do not include definitions, explanations of topics we have covered in the course and do not simply copy the original articles. Use MS Excel or a similar package to generate tables and graphs. Include screen dumps where appropriate. Do not forget to number pages and to include a list of references.
- 2) Your PowerPoint presentation, 6 slides per page. The PowerPoint presentation should be on the topics you have decided to concentrate on.
- 3) A copy of the Hands-On exercise you have prepared. The Hands-On exercise should be on the topics you have decided to concentrate on.

B) Submit a USB flash drive, labeled with your names, course number and semester, and containing:

- a) The term project (mentioned under 1 above).
- b) The PowerPoint presentation you have prepared.
- c) The Hands-On exercise you have prepared.
- d) Additional articles (in pdf) used in your project.

Please make sure that all the files on the USB key are readable.